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(71) Applicant (for all designated States except US): **BASELL  
POLYOLEFINE GMBH** [DE/DE]; Brühler Str. 60,  
50389 Wesseling (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SEIDEL,**  
Naka [HR/DE]; Ketteler Str.17, 64807 Dieburg (DE).  
**RICHTER, Bodo** [DE/DE]; Chenover Str. 2, 67117 Lim-  
burgerhof (DE). **KRATZER, Roland** [DE/DE]; Südhang  
3, 65719 Hofheim (DE).

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(54) Title: PREPARATION OF SUPPORTED COCATALYSTS

(57) **Abstract:** The present invention relates to a process for preparing a supported cocatalyst for olefin polymerization, which com-  
prises reacting: A) a support bearing functional groups; B) triethylaluminum and C) a compound of the formula (I)  $(R^1)_x-A-(OH)_y$ ,  
where A is an atom of group 13 or 15 of the Periodic Table,  $R^1$  are identical or different and are each, independently of one another,  
hydrogen, halogen,  $C_1$ - $C_{20}$ -alkyl,  $C_1$ - $C_{20}$ -haloalkyl,  $C_1$ - $C_{10}$ -alkoxy,  $C_6$ - $C_{20}$ -aryl,  $C_6$ - $C_{20}$ -haloaryl,  $C_6$ - $C_{20}$ -aryloxy,  $C_7$ - $C_{40}$ -arylalkyl,  
 $C_7$ - $C_{40}$ -haloarylalkyl,  $C_7$ - $C_{40}$ -alkylaryl,  $C_7$ - $C_{40}$ -haloalkylaryl or an  $OSiR_3^2$  group, where  $R^2$  are identical or different and are each  
hydrogen, halogen,  $C_1$ - $C_{20}$ -alkyl,  $C_1$ - $C_{20}$ -haloalkyl,  $C_1$ - $C_{10}$ -alkoxy,  $C_6$ - $C_{20}$ -aryl,  $C_6$ - $C_{20}$ -haloaryl,  $C_6$ - $C_{20}$ -aryloxy,  $C_7$ - $C_{40}$ -arylalkyl,  
 $C_7$ - $C_{40}$ -haloarylalkyl,  $C_7$ - $C_{40}$ -alkylaryl or  $C_7$ - $C_{40}$ -haloalkylaryl, y is 1 or 2 and x is 3 minus y. In addition, the invention relates to  
supported cocatalysts obtainable by such a process, to the use of the supported cocatalysts for preparing a catalyst system for the  
polymerization of olefins, to catalyst systems for the polymerization of olefins obtainable from the supported cocatalysts and to a  
process for the polymerization of olefins in which these catalyst solids are used.



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